

COMBINE POWER SELECTION SYSTEM

ABSTRACT OF THE DISCLOSURE

A system for propelling a combine over the ground and driving other components of the combine includes an engine driving a transmission via a hydrostatic drive system. A microprocessor stores a work table and a road table for controlling engine speed. A gear selector operates a switch to select one of the tables and a throttle control operates switches to select a speed value from the selected table. When working a field, the work table is selected so that the engine runs at speeds in a range suitable for driving the other components. For transport of the combine the road table is selected so that the engine may run at a speed higher than speeds suitable for driving the other components. For a given setting of the throttle control, the engine is controlled to run at either a first or second speed depending on the setting of the gear select lever.